

[Fig. 6]

6 Driving roller

12K, 12Y, 12M, 12C Transfer rollers

32K, 32Y, 32M, 32C Developing rollers

54K, 54Y, 54M , 54C Chargers

70K, 70Y, 70M, 70C Laser scanner units

76 Belt charger

96 Charge bias applying circuit

98 Developing bias applying circuit

100 Transfer bias applying circuit

102 Exposure control applying circuit

104 Paper conveying belt driving circuit

106 Belt charge bias applying circuit

[Fig. 8]

6 Driving roller

12K, 12Y, 12M, 12C Transfer rollers

32K, 32Y, 32M, 32C Developing rollers

54K, 54Y, 54M, 54C Chargers

70K, 70Y, 70M, 70C Laser scanner units

96 Charge bias applying circuit

98 Developing bias applying circuit

100 Transfer bias applying circuit

102 Exposure control applying circuit

104 Paper conveying belt driving circuit

202 Cleaning roller

204 Cleaning bias applying circuit

[Fig. 9]

Start

S110 During image forming operation?

S120 Apply a transfer bias of negative polarity.

S130 Apply a cleaning bias of negative polarity.

S140 Apply a transfer bias of positive polarity.

S150 Apply a cleaning bias of positive polarity.

End

[Fig. 11]

12K, 12Y, 12M, 12C Transfer rollers

32K, 32Y, 32M, 32C Developing rollers

54K, 54Y, 54M, 54C Chargers

70K, 70Y, 70M, 70C Laser scanner units

76 Belt charger

96 Charge bias applying circuit

98 Developing bias applying circuit

100 Transfer bias applying circuit

102 Exposure control applying circuit

106 Belt charge bias applying circuit

304 Driving roller

310 Intermediate transfer belt driving circuit

312 Secondary transfer roller

314 Secondary transfer bias applying circuit

[Fig. 14]

12K, 12Y, 12M, 12C Transfer rollers

32K, 32Y, 32M, 32C Developing rollers

54K, 54Y, 54M, 54C Chargers

70K, 70Y, 70M, 70C Laser scanner units

96 Charge bias applying circuit

98 Developing bias applying circuit

100 Transfer bias applying circuit

102 Exposure control applying circuit

202 Cleaning roller

204 Cleaning bias applying circuit

304 Driving roller

310 Intermediate transfer belt driving circuit

312 Secondary transfer roller

314 Secondary transfer bias applying circuit